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DD/S

56-1484

38-8462

APR 16 1956

MEMORANDUM FOR: Deputy Director (Support)

SUBJECT: Air Conditioning Equipment for Electronic Laboratory, [REDACTED]

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1. This memorandum contains a recommendation submitted for DD/S approval in conjunction with air conditioning for the Technical Services Staff in [REDACTED]. Such recommendation is contained in paragraph 6.

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2. Supplementary air conditioning for Room B-8, [REDACTED] has been requested by the TSS/Administrative Officer. The requirement is based on the necessity for compensating the increased heat-load occasioned by the installation of heat generating laboratory equipment.

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3. Room B-8, comprising approximately 1,633 sq. ft., was originally planned for use as office space. The design of the air conditioning system was planned at a normal rate of one ton for each 400 sq. ft. with an air velocity of 300 C.F.M.

4. Pursuant to building occupancy in July 1955, 19 kilowatts of electrical power were added to Room B-8 by the installation of sensitive electronic testing equipment. A major portion of this power is dissipated in heat at the rate of 60,000 BTU's per hour. Excessive temperatures and humidity materially affect components of the sound equipment such as condensers, resistors, oscillator coils, and motors. Two tape recording motors and two transformers have been replaced since August 1955. Quantities of recording disks and tape, considered perishable items, have been rendered useless by temperatures exceeding 76 degrees.

5. Augmentation of existing air conditioning facilities by the addition of a five-ton unit will appropriately remedy this situation.

6. In view of the conditions cited above, it is believed the procurement of the proposed unit is in agreement with existing public

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laws. It is therefore recommended that approval be given to the expenditure of vouchered funds in the amount of \$2,500 for this purpose.

[Redacted Signature]

Acting Director of Logistics

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CONCURRENCES:

25X1A9a

[Redacted Signature]

Comptroller

Date

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SIGNED

Asst. Genl

[Redacted Signature]

4/23/56

Date

The recommendation contained in paragraph 6 is approved.

APR 24 1956

Date

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SIGNED

L. K. WHITE
Deputy Director
(Support)

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